**BANK LOAN REPORT QUERY DOCUMENT**

**1. BANK LOAN REPORT | SUMMARY**

**KPI’s:**

**Total Loan Applications**

SELECT COUNT(id) AS Total\_Applications FROM loan\_data



**MTD Loan Applications**

SELECT COUNT(id) AS total\_applications FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Loan Applications**  
SELECT COUNT(id) AS total\_applications FROM loan\_data

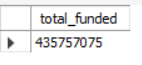
WHERE MONTH(issue\_date) = 11



**Total Funded Amount**

SELECT SUM(loan\_amount) as total\_funded

from loan\_data;



**MTD Total Funded Amount**

SELECT SUM(loan\_amount) AS total\_funded FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Total Funded Amount**

SELECT SUM(loan\_amount) AS total\_funded FROM loan\_data

WHERE MONTH(issue\_date) = 11



**Total Amount Received**

SELECT SUM(total\_payment) as total\_received

from loan\_data;



**MTD Total Amount Received**

SELECT SUM(total\_payment) AS total\_received FROM loan\_data

WHERE MONTH(issue\_date) = 12



**PMTD Total Amount Received**

SELECT SUM(total\_payment) AS total\_received FROM loan\_data

WHERE MONTH(issue\_date) = 11



**Average Interest Rate**

SELECT ROUND(AVG(int\_rate)\*100,2) AS avg\_int\_rate FROM loan\_data;



**MTD Average Interest Rate**

SELECT ROUND(avg(int\_rate)\*100,2) as 'avg\_int rate' from loan\_data

where MONTH(issue\_date) = 12;



**PMTD Average Interest Rate**

SELECT ROUND(AVG(int\_rate)\*100,2) as 'avg\_int rate' from loan\_data

where MONTH(issue\_date) = 11;



**Avg DTI (DEBT TO INCOME RATIO)**

SELECT ROUND(AVG(int\_rate),2) AS avg\_int\_rate FROM loan\_data;

**MTD Average DTI**

SELECT ROUND(avg(dti)\*100,2) as 'avg\_dti' from loan\_data

where MONTH(issue\_date) = 12;



**PMTD Average DTI**

SELECT ROUND(avg(dti)\*100,2) as 'avg\_dti' from loan\_data

where MONTH(issue\_date) = 11;



**Good Loan Issued:**

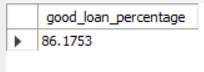
**Good Loan Percentage**

SELECT

    (COUNT(CASE WHEN loan\_status = 'Fully Paid' OR loan\_status = 'Current' THEN id END) \* 100.0) /

COUNT(id) AS Good\_Loan\_Percentage

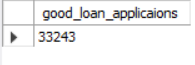
FROM loan\_data;

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**Good Loan Applications**

SELECT COUNT(id) as ‘good\_loan\_applicaions from loan\_data

where loan\_status = 'Fully Paid' OR loan\_status = 'Current';

****

**Good Loan Funded Amount**

SELECT SUM(loan\_amount) as ‘good\_loan\_funded\_amount from loan\_data

where loan\_status = 'Fully Paid' OR loan\_status = 'Current';

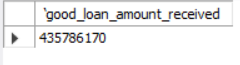


**Good Loan Amount Received**

**Good Loan Amount Received**

SELECT SUM(total\_payment) as ‘good\_loan\_amount\_received from loan\_data

where loan\_status = 'Fully Paid' OR loan\_status = 'Current';



**Good Loan Issued:**

**Bad Loan Percentage**

SELECT

    (COUNT(CASE WHEN loan\_status = ‘Charged Off' THEN id END) \* 100.0) /

COUNT(id) AS Bad\_Loan\_Percentage

FROM loan\_data;



**Bad Loan Applications**

SELECT COUNT(id) as ‘bad\_loan\_applicaions from loan\_data

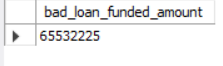
where loan\_status = 'Charged Off';



**Bad Loan Funded Amount**

SELECT SUM(loan\_amount) as bad\_loan\_funded\_amount from loan\_data

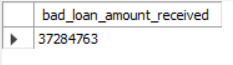
where loan\_status = 'Charged Off';



**Good Loan Amount Received**

SELECT SUM(total\_payment) as bad\_loan\_amount\_received from loan\_data

where loan\_status = 'Charged Off';



**LOAN STATUS**

SELECT

loan\_status,

count(id) AS total\_loan\_applications,

sum(loan\_amount) as total\_funded\_amount,

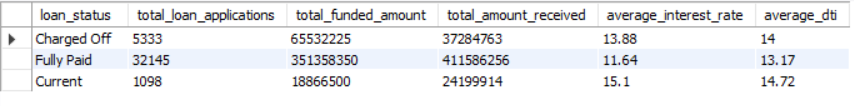
sum(total\_payment) as total\_amount\_received,

round(avg(int\_rate) \*100,2) as average\_interest\_rate,

round(avg(dti) \*100,2) as average\_dti

from loan\_data

group by loan\_status;



SELECT

loan\_status,

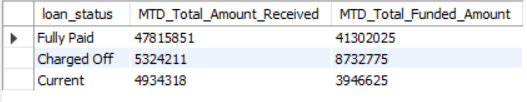
SUM(total\_payment) AS MTD\_Total\_Amount\_Received,

SUM(loan\_amount) AS MTD\_Total\_Funded\_Amount

FROM bank\_loan\_data

WHERE MONTH(issue\_date) = 12

GROUP BY loan\_status;



**2. BANK LOAN REPORT | OVERVIEW**

**MONTH**

SELECT

MONTH(issue\_date) AS Month\_Number,

MONTHNAME(issue\_date) AS Month\_name,

COUNT(id) AS Total\_Loan\_Applications,

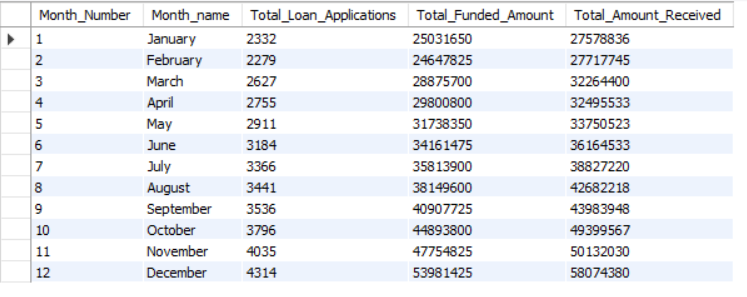
SUM(loan\_amount) AS Total\_Funded\_Amount,

SUM(total\_payment) AS Total\_Amount\_Received

FROM loan\_data

GROUP BY Month\_Number, Month\_name

ORDER BY Month\_name;



**TOP 10 STATES LOAN APPLICATION WISE**

SELECT

COUNT(id) AS total\_loan\_applications,

SUM(loan\_amount) AS total\_funded\_amount,

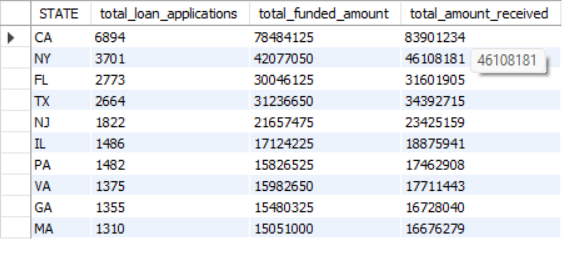
SUM(total\_payment) AS total\_amount\_received

FROM loan\_data

GROUP BY STATE

ORDER BY total\_loan\_applications desc

LIMIT 10;

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**TERM**

SELECT

term,

COUNT(id) AS total\_loan\_applications,

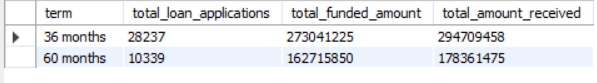
SUM(loan\_amount) AS total\_funded\_amount,

SUM(total\_payment) AS total\_amount\_received

FROM loan\_data

GROUP BY term

ORDER BY term;

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**EMPLOYMENT LENGTH**

SELECT

emp\_length

COUNT(id) AS total\_loan\_applications,

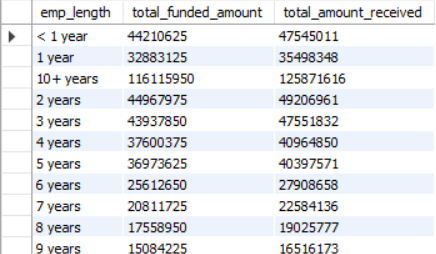
SUM(loan\_amount) AS total\_funded\_amount,

SUM(total\_payment) AS total\_amount\_received

FROM loan\_data

GROUP BY emp\_length

ORDER BY emp\_length;



**PURPOSE**

SELECT purpose,

COUNT(id) AS total\_loan\_applications,

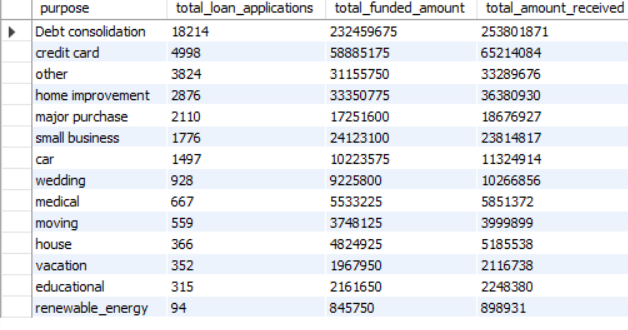
SUM(loan\_amount) AS total\_funded\_amount,

SUM(total\_payment) AS total\_amount\_received

FROM loan\_data

GROUP BY purpose

ORDER BY COUNT(id) desc;

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**HOME OWNERSHIP**

SELECT home\_ownership,

COUNT(id) AS total\_loan\_applications,

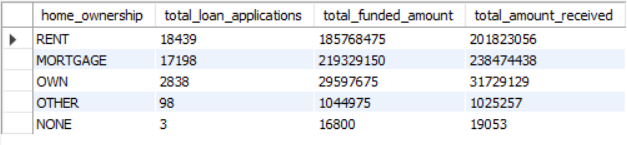
SUM(loan\_amount) AS total\_funded\_amount,

SUM(total\_payment) AS total\_amount\_received

FROM loan\_data

GROUP BY home\_ownership

ORDER BY COUNT(id) desc;

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